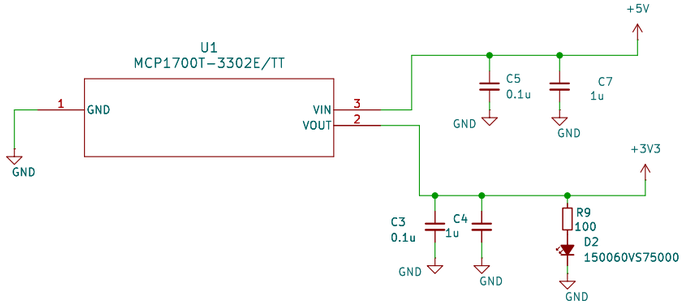
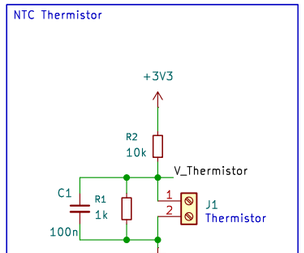
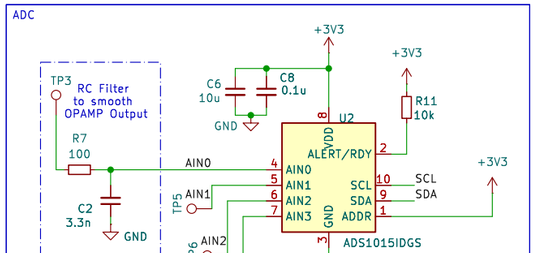
5V (from PICO USB) to 3V3 LDO



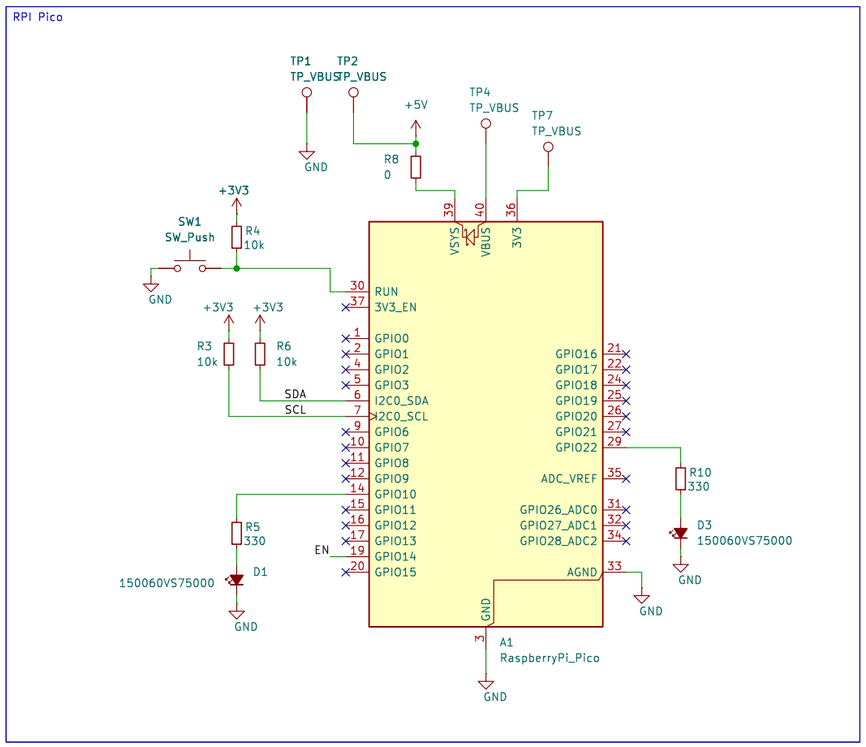
NTC Thermistor



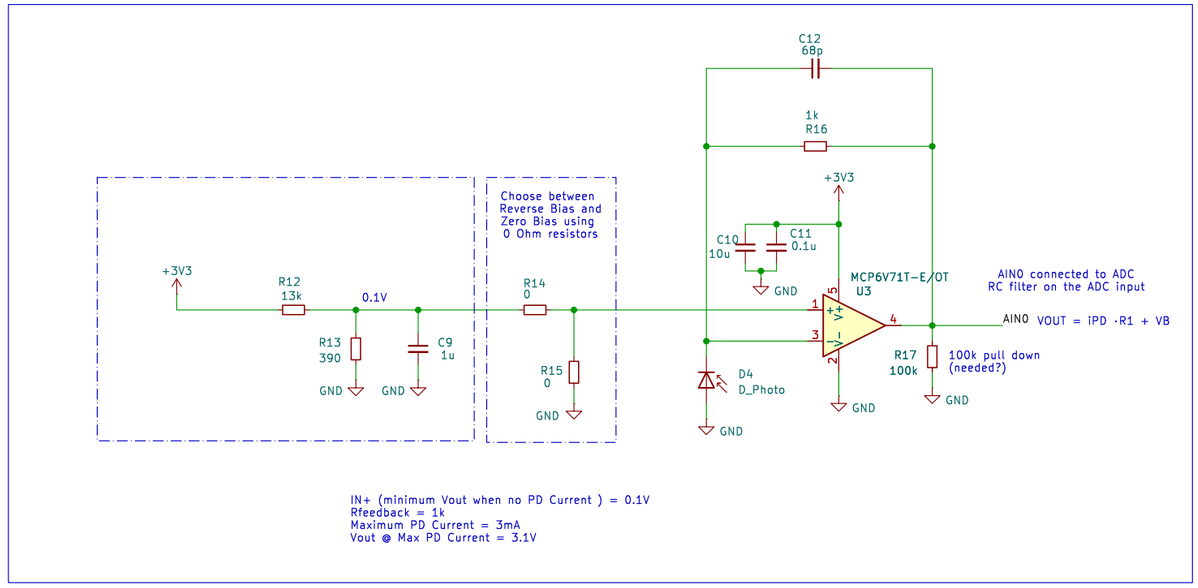
ADC

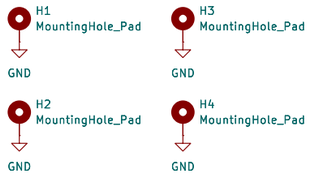


RPI Pico



	MCP6V11UT-E/OT	MCP6V61T-E/OT	MCP6V71T-E/OT	MCP6V81T-E/OT
Series	–	–	–	–
Part Status	Active	Active	Active	Active
Amplifier Type	Zero-Drift	Zero-Drift	Zero-Drift	Zero-Drift
Number of Circuits	1	1	1	1
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Slew Rate	0.03V/µs	0.45V/µs	1V/µs	4V/µs
Gain Bandwidth Product	80 kHz	1 MHz	2 MHz	5 MHz
Current – Input Bias	5 pA	1 pA	1 pA	2 pA
Voltage – Input Offset	8 µV	8 µV	8 µV	9 µV
Current – Supply	7.5µA	80µA	170µA	500µA
Current – Output / Channel	17 mA	23 mA	26 mA	40 mA
Voltage – Supply Span (Min)	1.6 V	1.8 V	2 V	2.2 V
Voltage – Supply Span (Max)	5.5 V	5.5 V	5.5 V	5.5 V
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	SC-74A, SOT-753	SC-74A, SOT-753	SC-74A, SOT-753	SC-74A, SOT-753
Supplier Device Package	SOT-23-5	SOT-23-5	SOT-23-5	SOT-23-5
Base Product Number	MCP6V11	MCP6V61	MCP6V71	MCP6V81





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